CLAIM AMENDMENTS:

Please cancel Claims 5, 16 and 27, amend Claims 1, 12, 14, 23, and 25, and add new Claims 34-36, as follows.

1. (Currently Amended) An image pickup apparatus comprising:

an image pickup device adapted to pick up an image of an object to output an image signal;

an image processing device adapted to process the image signal in accordance with a photographing timing instruction signal output in response to depression of an instruction button, to generate first-resolution image data and second-resolution image data having a resolution which is not higher than that of the first-resolution image data;

a storage control device adapted to store, in a memory, the first- and second-resolution image data of image signals of a series of frames which are obtained by consecutively picking up the image of the object;

a display control device adapted to display, on a display screen immediately after image pickup of the series of frames, the second-resolution image data thereof ~~of the series of frames~~ stored in said memory ~~on a display screen, immediately after image pick up of the series of frames~~;

a compression encoding device adapted to compress and encode, at a predetermined compression ratio, the first-resolution image data read out from said memory; and

an output device adapted to ~~output~~ select compressed and encoded image data ~~of a desired frame~~ corresponding to the second-resolution image data selected by a selection operation from the ~~compressed and encoded~~ first-resolution image data of the series of frames ~~of the image~~, compressed and encoded by said compression encoding device, and output the selected compressed and encoded image data to a non-volatile memory ~~in response to selecting the desired frame~~,

wherein said compression encoding device and said output device are arranged so that said compression encoding device compresses and encodes the first resolution image data re-read out from said memory, corresponding to the selected second-resolution image data, at a compression ratio different from the predetermined compression ratio and said output device outputs the thus-compressed and encoded first-resolution image data to said non-volatile memory.

2. (Canceled)

3. (Previously Presented) An apparatus according to Claim 1, further comprising a transmission device adapted to transmit the selected image data.

4. (Canceled)

5. (Previously Presented) An apparatus according to Claim 1, wherein said compression encoding device compresses and encodes the selected image data at a compression ratio different from the predetermined compression ratio.

6.-11. (Canceled)

12. (Currently Amended) An image pickup method comprising:

a step of processing the image signal in accordance with a photographing timing instruction signal output in response to depression of an instruction button, to generate first-resolution image data and second-resolution image data having a resolution which is not higher than that of the first-resolution image data;

~~a first outputting Step of outputting a designation signal so as to process image signals of a plurality of frames in said image processing step;~~

a storage step of storing, in a memory, the first-and second-resolution image data of the image signals of a series of frames which are obtained by picking up an image of the object in said picking up step;

a step of displaying, on a display screen immediately after image pickup of the series of frames, the second-resolution image data thereof stored in said memory ~~of the series of frames stored~~ in said storage step~~, immediately after image pick up of the series of frames~~;

a step of compressing and encoding, at a predetermined compression ratio, the first-resolution image data of the series of frames read out from said memory; and

a ~~second~~ outputting step of ~~outputting~~ selecting compressed and encoded image data ~~of a desired frame~~ corresponding to the second-resolution image data selected by a low-resolution image data selection operation from the ~~compressed and encoded~~ first-resolution image data of the series of frames ~~of the image~~, compressed and encoded in said compressing and encoding step, and outputting the selected compressed

and encoded image data to a non-volatile memory ~~in response to selecting the desired frame,~~

wherein said compressing and encoding step and said outputting step are arranged so that said compressing and encoding step compresses and encodes the first-resolution image data re-read out from said memory, corresponding to the selected second-resolution image data at a compression ratio different from the predetermined compression ratio and said outputting step outputs the thus-compressed and encoded first-resolution image data to said non-volatile memory.

13. (Canceled)

14. (Currently amended) A method according to Claim 12, further comprising a step of transmitting the image data selected in said ~~second~~ outputting step.

15. (Canceled)

16. (Previously Presented) A method according to Claim 12, wherein the compression encoding step compresses and encodes again the image data selected in said second outputting step at a compression ratio different from the predetermined compression ratio.

17.-22. (Canceled)

23. (Currently Amended) A storage medium storing a control program for an image pickup apparatus in a state readable from a computer, the control program comprising:

a step of picking up an image of an object to output an image signal;

a step of processing the image signal in accordance with a photographing timing instruction signal output in response to depression of an instruction button, to generate first-resolution image data and second-resolution image data having a resolution which is not higher than that of the first-resolution image data;

~~a first outputting step of outputting a designation signal so as to process image signals of a plurality of frames in said image processing step;~~

a storage step of storing, in a memory, the first-and second-resolution image data of the image signals of a series of frames which are obtained by picking up an image of the object in said picking up step;

a step of displaying, on a display screen immediately after image pickup of the series of frames, the second-resolution image data thereof stored in said memory ~~of the series of frames stored~~ in said storage step~~, immediately after image pick up of the series of frames~~;

a step of compressing and encoding, at a predetermined compression ratio, the first-resolution image data of the series of frames read out from said memory; and

a ~~second~~ outputting step of ~~outputting~~ selecting compressed and encoded image data ~~of a desired frame~~ corresponding to the second-resolution image data selected by a selection operation from the ~~compressed and encoded~~ first-resolution image data of the series of frames ~~of the image~~, compressed and encoded in said compressing and

encoding step, and outputting the selected compressed and encoded image data to a non-volatile memory ~~in response to selecting the desired frame,~~

wherein said compressing and encoding step and said outputting step are arranged so that said compressing and encoding step compresses and encodes the first-resolution image data re-read out from said memory, corresponding to the selected second-resolution image data at a compression ratio different from the predetermined compression ratio and said outputting step outputs the thus-compressed and encoded first-resolution image data to said non-volatile memory.

24. (Canceled)

25. (Currently Amended) A medium according to Claim 23, wherein the control program further comprises a step of transmitting the image data selected in said ~~second~~ outputting step.

26. (Canceled)

27. (Previously Presented) A medium according to Claim 23, wherein the compression encoding step compresses and encodes again the image data selected in said second outputting step at a compression ratio different from the predetermined compression ratio.

28.-33. (Canceled)

34. (New) An apparatus according to Claim 1, wherein said display control device is arranged so as to enlarge and display on the display screen image data corresponding to the second-resolution image data selected by the low resolution image data selection operation from the second resolution image data of the series of frames, displayed on the display screen.

35. (New) A method according to Claim 12, wherein said displaying step is arranged to enlarge and display on the display screen image data corresponding to the second resolution image data selected by the low-resolution image data selection operation from the second-resolution image data of the series of frames, displayed on the display screen.

36. (New) A medium according to Claim 23, wherein said displaying step is arranged so as to enlarge and display on the display screen image data corresponding to the second resolution image data selected by the low-resolution image data selection operation from the second-resolution image data of the series of frames, displayed on the display screen.